



FLINT HILLS
resources®

June 14, 2010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7007 0220 0002 9463 8679

Illinois Environmental Protection Agency
Water Pollution Control
Compliance Assurance Section #19
Annual Inspection Report
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

Re: 2010 Annual Storm Water Inspection Report
Flint Hills Resources, LP
NPDES Permit ILR000057

Dear Madam or Sir:

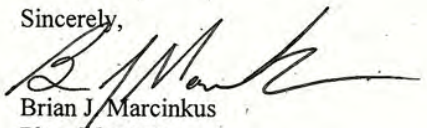
Enclosed is the 2010 Annual Storm Water Inspection Report for the Flint Hills Resources, LP ("FHR") facility located in Peru, IL (the "Facility"). This is being submitted pursuant to Permit Condition #9 of Section E; and Condition 1 of Section G, of the Facility's General NPDES Permit ("Permit") issued on April 3, 2009 by the Illinois EPA, Division of Water Pollution Control.

As required by the Permit, a copy of the Facility's Storm Water Pollution Prevention Plan (SWPPP) was electronically submitted to epa.indilr00swppp@illinois.gov on July 29, 2009. No changes were made to the facility's SWPPP since the last submittal. Additionally, as required by the Permit, the 2010 Annual Inspection Report was also electronically submitted to epa.indannualinsp@illinois.gov.

The renewed permit became effective on May 1, 2009, and contained new requirements regarding performance of quarterly visual observations of discharges (Condition 8 of Section E). As stated in our July 28, 2009 Cover Letter to the 2009 IEPA Annual Facility Inspection Report, the Facility began these quarterly observations in the calendar quarter starting July 1, 2009 (attached).

Should you have any questions or need additional information regarding this submittal, please contact Ganesh Krish at (815) 224-5451.

Sincerely,


Brian J. Marcinkus
Plant Manager

Enclosures:

- Attachment 1 – IEPA Annual Facility Inspection Report
- Attachment 2 – Annual Storm Water Inspection Checklist
- Attachment 3 – Quarterly Storm Water Inspection Reports (3rd Qtr 2009 – 2nd Qtr 2010)
- Attachment 4 – Summary of Storm Water Related Spill Events During the Reporting Period

cc: Mr. Gale Newton, FHR Senior Counsel – Environmental
EHS File # 4035

<N:\EHS\Environmental\StormWater\2010\2010 Annual Inspection Report.doc>

ATTACHMENT 1

Flint Hills Resources, LP
501 Brunner Street
Peru, Illinois
Facility NPDES Permit ID: ILR000057

IEPA Annual Facility Inspection Report

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
ASSOCIATED WITH INDUSTRIAL SITE ACTIVITIES**

Complete each section of this report. Place a NA in sections that do not apply to your operation.

Report Period: From: May 1, 2009 To: Apr 30, 2010

OWNER/OPERATOR INFORMATION: (As it appears on the current permit)

Name: FLINT HILLS RESOURCES, LP

Mailing Address: 501 Brunner Street

City: Peru State: IL Zip: 61354

Contact Person: GANESH KRISH (Person responsible for Annual Report)

Telephone: 815.224.5451

FACILITY/SITE INFORMATION: (As it appears on the current permit)

Facility Name: FLINT HILLS RESOURCES, LP Permit Number: ILR00 0057

Facility Location: 501 Brunner Street

City: Peru Illinois Zip: 61354

County: LA SALLE Primary SIC Code: 2821

RECEIVING WATER INFORMATION:

☐ Storm Sewer Owner of Storm Sewer Systems: _____
☒ Waters of the State Closest Receiving Waters: ILLINOIS RIVER

ADDITIONAL INFORMATION:

Has this facility received an NPDES Permit under a different owner/operator name in the past? If so, list last name permit was issued to: HUNTSMAN EXPANDABLE POLYMERS

Attach information on any activity that has occurred at this facility during the report period that may have resulted in pollutants discharged to storm water runoff (e.g. Spills). (Attached)

Attach information on any changes to the facility or the activity occurring at the facility that resulted in significant changes to the SWPPP. (Not Applicable - no changes were made to the SWPPP since the last submittal of July 2009)

Attach information concerning quarterly visual observations of discharges as found in Section E, Item 8 of the Permit. (Attached)

Signature:  Date: 6/14/2010

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

EMAIL COMPLETED FORM TO: epa.indannualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

ATTACHMENT 2

Flint Hills Resources, LP
501 Brunner Street
Peru, Illinois
Facility NPDES Permit ID: ILR000057

Annual Storm Water Inspection Checklist


**STORM WATER MANAGEMENT
CHECKLIST FOR ANNUAL INSPECTION**

Peru, Illinois Facility

Date JUNE 8, 2010 Weather Conditions CLOUDY WITH A SLIGHT DRIZZLE

- ☒ Trash, litter, debris [NONE SIGNIFICANT]
- ☒ Significant accumulations of beads [SW QUAD OF BUILDING 4
TD LAB EFFLUENT INLET PIT
N & S OF PACK OUT]
- ☒ Spillage at compactors [NONE VISIBLE]
- ☒ Improper storage of materials, equipment [NONE OBSERVED]
- ☒ Storage boxes and bags -- torn, damaged, exposed to run-off, spillage [NONE]
- ☒ Tanks -- corrosion, damage, inadequate support, containment, leakage [NONE APPARENT]
- ☒ Drums -- corrosion, damage, uncovered, containment, spillage [CORROSION OBSERVED ON PENTANE DRUMS IN THE TD LAB
OUTDOOR CHEMICAL STORAGE AREA & A FEW EMPTY DRUMS]
- ☒ Secondary containment structures -- structural integrity, presence of oil or
residue filled with water, valves open [APPEARS TO BE IN GOOD
CONDITION]
- ☒ Piping and valves -- corrosion, leakage [NONE VISIBLE]
- ☒ Pumps and hose connections -- leakage [NONE OBSERVED]
- ☒ Sludge accumulations near wastewater plant [NONE OBSERVED]
- ☒ Oil staining on ground [NONE OBSERVED OUTDOORS]

- ☒ Other residue, discolored surfaces (NONE OBSERVED)
- ☒ Erosion problems (NONE)
- ☒ Accumulations of debris/sediment at catch basins/inlets, stop gates, skimmer pond [NO SIGNIFICANT ACCUMULATIONS OBSERVED]
- ☒ Non stormwater discharge to surface (NONE)
- ☒ Spill response equipment and supplies at appropriate locations (STOCKED)
- ☒ Other

Inspector Name GANESH KRISH, ENV. ENGR
Signature 

ATTACHMENT 3

Flint Hills Resources, LP
501 Brunner Street
Peru, Illinois
Facility NPDES Permit ID: ILR000057

**Quarterly Storm Water Inspection Reports
(3rd Qtr 2009 – 2nd Qtr 2010)**

4037.1

Sample #1

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	9/20/09 ^{RAIN} 14:36 (2:36 p.m.)
Nature of the Qualifying Event (Rain/Snow Melt)	RAIN
Magnitude of the Qualifying Event (inches)	
Date and Time of Sampling	15:14 on 9-20-2009
Sample Location	South West Corner of Property
Sample Collector's Name and Title	Richard L. Poch / Night Shift Supervisor
Time of Sample Observation	15:26
Sample Observer's Name and Title	GANESH KRISHA / Env. Engr
Color	CLOUDY (VERY SLIGHT WHITISH YELLOW)
Odor	NONE
pH	(STRIP RANGE 2.5-4.5) 7.46 * ORDER NEW pH STRIP 1-14
Clarity	CLOUDY
Floating Solids	NONE VISIBLE
Settled Solids	NONE
Suspended Solids	NONE VISIBLE [CLOUDY]
Foam	NONE
Oil Sheen	NONE VISIBLE
Other Obvious Indicators of Pollution	NONE

Richard L. Poch
 Signature of Sample Collector
 Date: 9/20/2009

Ganesh Krisha
 Signature of Sample Observer
 Date: 9/20/09

* USED pH METER @ WATER LAB

Page 6 of 7	EHS-I-0XX Quarterly Sampling and Visual Observation of Storm Water Discharges	
Print Date: September 18, 2009	Dept: EHS	

FHRPRU000020

Sample # 2
(Duck Pond)

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	9/20/09 14:36
Nature of the Qualifying Event (Rain/Snow Melt)	RAIN
Magnitude of the Qualifying Event (inches)	
Date and Time of Sampling	9-20-2009 15:21
Sample Location	O/F Chamber of "Duck-pond"
Sample Collector's Name and Title	Richard L Ploch / Relief Shift Supervisor
Time of Sample Observation	15:30
Sample Observer's Name and Title	GANESH KRISH / ENV ENGR
Color	NONE [SLIGHTLY CLOUDY]
Odor	NONE
pH	(STRIP RANGE 2.5 - 4.5) 8.2 * > 4.5 [ORDER PH STRIP WITH RANGE 1-14]
Clarity	CLOUDY (TRANSLUCENT)
Floating Solids	NONE
Settled Solids	NONE
Suspended Solids	NONE VISIBLE [CLOUDY]
Foam	NONE
Oil Sheen	NONE VISIBLE
Other Obvious Indicators of Pollution	NONE

Richard L Ploch
Signature of Sample Collector
Date: 9-20-09

Ganesh Krish
Signature of Sample Observer
Date: 9/20/09

* USED PH METER @ WATER LABS

Page 6 of 7	EHS-I-0XX Quarterly Sampling and Visual Observation of Storm Water Discharges	
Print Date: September 18, 2009	Dept: EHS	

Sample #1

4037.1

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	10/1/09
Nature of the Qualifying Event (Rain/Snow Melt)	Rain
Magnitude of the Qualifying Event (inches)	
Date and Time of Sampling	13:00 10-1-2009
Sample Location	Southwest corner of property
Sample Collector's Name and Title	Richard L. Mack / Kellogg Shift Supervisor
Time of Sample Observation	13:25
Sample Observer's Name and Title	GANGSH KRISH / ENV ENGR
Color	CLEAR
Odor	NONE
pH	7.9
Clarity	CLEAR
Floating Solids	NONE VISIBLE
Settled Solids	"
Suspended Solids	"
Foam	NONE
Oil Sheen	NONE VISIBLE
Other Obvious Indicators of Pollution	NONE

Richard L. Mack
 Signature of Sample Collector
 Date: 10-1-2009

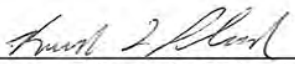
Gangsh Krishna
 Signature of Sample Observer
 Date: 10/1/09


Page 6 of 7	EHS-I-0XX Quarterly Sampling and Visual Observation of Storm Water Discharges	
Print Date: October 1, 2009	Dept: EHS	

Sample #2

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	10/1/09
Nature of the Qualifying Event (Rain/Snow Melt)	RAIN
Magnitude of the Qualifying Event (inches)	
Date and Time of Sampling	12:55 10-1-2009
Sample Location	"Duck Pond" East side of Plant
Sample Collector's Name and Title	Richard L. Maly/Meliorist Shift Supervisor
Time of Sample Observation	13:35
Sample Observer's Name and Title	GANESIO KRISHN (ENV ENGR)
Color	VERY SLIGHT YELLOW [WHITISH]
Odor	NONE
pH	7.61
Clarity	SLIGHTLY CLOUDY
Floating Solids	NONE VISIBLE (FINE?)
Settled Solids	"
Suspended Solids	"
Foam	NONE
Oil Sheen	NONE VISIBLE
Other Obvious Indicators of Pollution	NONE


 Signature of Sample Collector
 Date: 10-1-2009


 Signature of Sample Observer
 Date: 10/1/09

Page 6 of 7	EHS-I-0XX Quarterly Sampling and Visual Observation of Storm Water Discharges	
Print Date: October 1, 2009	Dept: EHS	

4037.2

SAMPLE #1

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	FEB 21, 2010 4:45 p.m.
Nature of the Qualifying Event (Rain/Snow Melt)	RAIN MIXED WITH SNOW
Magnitude of the Qualifying Event (inches)	
Date and Time of Sampling	2/21/10 17:36
Sample Location	UTILITIES
Sample Collector's Name and Title	RICH PLOCH, SHIFT SUPERVISOR
Time of Sample Observation	17:58
Sample Observer's Name and Title	GANESA KRISHA, ENV ENGR
Color	WHITISH YELLOW (VERY SLIGHT)
Odor	NONE APPARENT
pH	7.97
Clarity	A SLIGHTLY CLOUDY
Floating Solids	NONE VISIBLE
Settled Solids	"
Suspended Solids	"
Foam	"
Oil Sheen	"
Other Obvious Indicators of Pollution	NONE

Rich Ploch
 Signature of Sample Collector
 Date: 2-21-2010

Ganesh Krishna
 Signature of Sample Observer
 Date: 2/21/10


Page 6 of 7	EHS-I-0XX Quarterly Sampling and Visual Observation of Storm Water Discharges
Print Date: January 22, 2010	Dept: EHS


FHRPRU000024

SAMPLES #2

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	FEB 21, 2010 4:45 P.M.
Nature of the Qualifying Event (Rain/Snow Melt)	RAIN MIXED WITH SNOW
Magnitude of the Qualifying Event (inches)	
Date and Time of Sampling	2/21/10 17:27
Sample Location	DUCK POND
Sample Collector's Name and Title	RICH PROCA, SHIFT SUPERVISOR
Time of Sample Observation	18:04
Sample Observer's Name and Title	GANESA KRISHA, ENV ENGR
Color	NONE
Odor	NONE APPARENT
pH	8.79
Clarity	VERY CLEAR (100%)
Floating Solids	NONE
Settled Solids	"
Suspended Solids	"
Foam	"
Oil Sheen	"
Other Obvious Indicators of Pollution	NONE


 Signature of Sample Collector
 Date: 2-21-2010


 Signature of Sample Observer
 Date: 2/21/10

Page 6 of 7	EHS-I-0XX Quarterly Sampling and Visual Observation of Storm Water Discharges
Print Date: January 22, 2010	Dept: EHS

Sample #2

4037.2

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	April 23 rd 2010 / 16:12
Nature of the Qualifying Event (Rain/Snow Melt)	RAIN
Magnitude of the Qualifying Event (inches)	3/10" (As of 4:40pm)
Date and Time of Sampling	4/23/10 @ 16:12
Sample Location	Duck Pond
Sample Collector's Name and Title	Rich Ploch / Shift Supervisor
Time of Sample Observation	16:47 see
Sample Observer's Name and Title	GANESH KRISH, ENV ENGR
Color	VERY SLIGHT YELLOWISH WHITE
Odor	NOTHING UNUSUAL
pH	8.65
Clarity	SLIGHTLY CLOUDY
Floating Solids	A COUPLE OF VERY MINUTE PARTICLES
Settled Solids	YES (A THIN LAYER)
Suspended Solids	NONE READILY VISIBLE
Foam	NONE VISIBLE
Oil Sheen	"
Other Obvious Indicators of Pollution	"

Rich Ploch
 Signature of Sample Collector
 Date: 4/23/2010

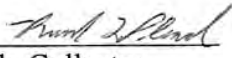
Ganesh Krish
 Signature of Sample Observer
 Date: 4/23/10


Page 6 of 7	EHS-I-0XX Quarterly Sampling and Visual Observation of Storm Water Discharges
Print Date: April 23, 2010	Dept: EHS

Sample #1 4037.2

Form EHS-F-00X: Storm Water Sample Collection and Visual Observation Documentation

Date and Time of the Qualifying Event	4/23/10 16:22
Nature of the Qualifying Event (Rain/Snow Melt)	RAIN
Magnitude of the Qualifying Event (inches)	3/10" (AS OF 4:40 PM)
Date and Time of Sampling	4/23/10 @ 16:22
Sample Location	S.W. Utilities
Sample Collector's Name and Title	Rich Ploch / Shift Supervisor
Time of Sample Observation	16:22 [16:40] near
Sample Observer's Name and Title	GANESH KRISH, ENV ENGR
Color	NONE [SLIGHTLY CLOUDY]
Odor	NONE
pH	8.85
Clarity	SLIGHTLY CLOUDY
Floating Solids	A FEW VERY MINUTE PARTICLES
Settled Solids	NONE
Suspended Solids	NONE VISIBLE
Foam	"
Oil Sheen	"
Other Obvious Indicators of Pollution	"


 Signature of Sample Collector
 Date: 4/23/2010


 Signature of Sample Observer
 Date: 4/23/10

ATTACHMENT 4

Flint Hills Resources, LP
501 Brunner Street
Peru, Illinois
Facility NPDES Permit ID: ILR000057

**Summary of Storm Water Related Spill Events During
the Reporting Period
May 1, 2009 through April 30, 2010**

ATTACHMENT 4
Flint Hills Resources, LP - Peru, Illinois
Summary of Releases
May 1, 2009 to December 31, 2009

Date	Time of Spill	Duration (minutes)	Incident #	Material(s)	Area	Total Quantity	Media	Cause	Notes
5/26/2009	3:00 PM	Unknown	30875	Gear Oil	D7 Blower North Pad	1-2 quarts	The bearing-housing on the D7 Blower was making a lot of unusual noise. Upon being checked, it was hot and had leaked ~2 quarts of gear oil	Equipment failure	Maintenance replaced the faulty bearing-housing.
5/28/2009	8:50 AM	10	30882	EPS Beads	Packout	200 pounds	Operator reported that packout bin #9 level-control was reading 36% but it was discovered that it was overfilling from top and spilled approximately 200 pounds of EPS beads on the top cat-walk area (and some below as well)	Equipment/Controls Error	Beads were recovered using a broom and vac system for disposal. A work order put in to fix the faulty level control
5/29/2009	8:00 AM	<1	30883	Styrene	Tank Farm	1 gallon	Approx. 1 gallon of styrene monomer was spilled onto the concrete floor of the tank farm while maintenance was removing the stripper hose from the closed-valve of tank M300	Human error	Spilled material was contained and recovered on site.
6/6/2009	Between 6:30 AM & 4:30 PM	Unknown	31091	Motor Oil	Utilities	~1/2 quart	A hydroblasting trailer that was parked in the truck unloading area just north of the Tank Farm leaked about half a quart of motor oil onto the concrete. The trailer was in service for the tank M300 internal cleaning/inspection project and	Equipment Failure	The spill was not discovered until the trailer had been moved. It's assumed the Incident Time was sometime between equipment start up and discovery. While in operation the equipment seemed to produce a slow drip that over time affected an area of concrete approximately 9" by 36". When discovered Dean T brought it to the attention of Billy Downen, the on site supervisor for KM Plant Services, the company performing the cleaning of tank M300. Billy immediately began to apply absorbent pads to the affected concrete area. More pads were placed onto the oil spill and left to absorb over night.
7/11/2009	6:40 AM	Unknown	31577	Flush Water & Pretreated Sludge	WWTP	Unknown	The spill occurred when the flush valve to the north& south sludge pits was left on and unattended. Flush water and pretreated-sludge overflowed and flooded the area (~2" deep). Some of the spilled material escaped the building.	The flush valve was left open and was not manned.	The discoverer of the spill immediately shut-off the water valve and used a hose to direct the sludge to the SBC containment areas. The spilled material in the WWTP was pumped into the surge tank. The floor was hosed with water and the sludge-pit-pumps were restarted.
7/20/2009	5:30 AM	Unknown	31796	Mineral Oil	TD Lab	1-2 gallons	The technician discovered the spill on the 2nd floor of the TD Lab when he came in Monday morning. The LR04 agitator seal reservoir was empty.	Equipment failure	The technician cleaned up the spill with pads and called maintenance to refill the reservoir. The copper tubing from the reservoir to the agitator seal was also replaced.
7/21/2009	4:15 PM	5 Seconds	31973	Diesel Fuel	New Pump House	½ Quart	A Uranich Coal and Oil employee was filling the south diesel tank in the new pumphouse. When he stepped up the pumprate, the fuel backed up and spilled on the floor.	Human Error	The FHR employee who discovered the spill immediately instructed the fuel-delivery driver to pump slower and spread oil-dri on the spilled material for absorption.
9/11/2009	10:00 AM	120	33189	Larostat	B4 3rd Floor	2 gallons	The larostat feed-line to the process equipment plugged up causing liquid to back out of the feedline-vent on to the floor.	Plugged up feedline	The spilled material was contained within the diked area whose contents are directed to the facility's wastewater treatment plant for pre-treatment.
9/11/2009	12:30 PM	10	33188	Styrene	Tank Farm	1 Quart	The production facilitator discovered a leaking head on the chiller heat-exchanger in the tank farm. There was a small steady drip of styrene leaking from the gasket/flange area.	Equipment failure/defective parts	The inlet/outlet valves on the heat-exchanger were immediately closed. The operator then obtained a drip-pan and absorbents to clean the area of the spill. The cleanup materials used were placed in a 55-gal DOT-approved drum.

ATTACHMENT 4

Flint Hills Resources, LP - Peru, Illinois
Summary of Releases
May 1, 2009 to December 31, 2009

Date	Time of Spill	Duration (minutes)	Incident #	Material(s)	Area	Total Quantity	Media	Cause	Notes
10/8/2009	8:00 AM	Unknown	33972	Diesel Fuel	East of Main Gate (outdoors)	Unknown	The fuel-delivery-truck from Uranich Oil made a puddle of spilled fuel just east of the West Guardhouse. The truck continued to travel through the plant making a small trail of spillage.	Leaking equipment on the delivery truck	The spilled material was recovered using oil-dry. The cleaned-up materials were placed in a drum, closed, appropriately labeled and transported to the facility's HazPad for disposal.
10/18/2009	6:00 AM	15	33975	Automobile motor oil	West parking lot	4½ quarts	Employee arrived in his car and parked it in the first stall within the west parking lot. Motor oil then starting to flow out of the engine oil pan.	Employee had hit a sewer cover enroute prior to arriving at the facility	Oil-dry absorbent was immediately placed on the spilled material. The recovered material was then placed in a drum, closed, appropriately labeled and transported to the facility's HazPad for disposal.
10/31/2009	2:10 AM	5	34163	Styrene	B-4 (R-17)	4 Fl.Oz.	Operator observed styrene leaking from a flange on Reactor 17. The operator immediately notified the supervisor. The flange was then tightened and the leak stopped.	Defective equipment	The leak was documented as a "visual" LDAR leak and was remonitored by Proactive.
11/12/2009	11:00 PM			EPS Beads	Packout	15,000 pounds	At approx. 21:00 on Thurs., Nov. 12, Packout Operator contacted Building 4 Operator to shut down feed to Bin 8 because it was overflowing to luber floor. Building 4 operator received (1) high alarm on Bin 8 at 84%, but did not receive another high alarm on Bin 8 after this. Bin 8 overflowed, but did not shut down like it was supposed to, and did not give Building 4 operator a high-high alarm. Bin read 84% at its highest level and continued to read 84% at the time of incident.	Faulty Alarm System?	Shut-off EPS bead-feed to Bin 8 and changed over to Bin 5. Notified Steve E. of problem. Packout operators started cleaning up beads, note put on board not use Bin 8 in packout, and a work-order was placed to have Eagle services come in to clean up beads. Eagle Services arrived at the facility the next morning at around 7:00 a.m. and began the cleanup. Recovered product was placed in the B4 concrete pit for recycling.
12/7/2009	~4:30 AM	~180	35281	Partially treated Process Waste Water	WWTP	~100 gallons	Utilities Facilitator found waste water coming out of Vent Line on South SBC-B Unit. He then walked out of the south mandoor of Waste Treatment Plant and noticed spilled waste water on the ground between the two SBC Units and could see water coming out of vent line (north side of SBC) of South SBC Unit.	Plugged-up Discharge Line	Closed Inlet Valve to South SBC. Utilities Operator slowed the Waste Treatment Plant GPM. Approximately 100 gallons of partially-treated process wastewater spilled onto to the ground. No spilled material left the plant site.
12/9/2009	8:30 A.M.	Unknown	35288	PB Blaster	Guardhouse/East Parking Lot	4 Fl.Oz.	Winter salt in the contractor's truck (TNT) came in contact with the drag-chain and deposited some PB Blaster material on to the asphalt-surface during the salting-process.	The contractor has sprayed the drag-chain with PB Blaster prior to arriving at the site.	The MSDS for this material was reviewed for notification and hazard-identification purposes. No notification was required. See information attached to the original spill report.
12/10/2009	8:15 A.M.	20	35296	Pentane	B4 5th Floor	¼ Pint	B4 operator observed a leak between R-14 and R-15 on the morning of 12/10/09. Upon investigation, it was the pentane valve to R-14 that was leaking. Pentane had just finished pumping to the reactor.	Loose packing of the vale. Was tightened-up by maintenance.	

ATTACHMENT 4
Flint Hills Resources, LP - Peru, Illinois
Summary of Releases
January 1, 2010 to April 30, 2010

Date	Time of Spill	Duration (minutes)	Incident #	Material(s)	Area	Total Quantity	Media	Cause	Notes
1/30/2010	Unknown	Unknown	36019	Motor Oil	North side of Shipping	~1/16 of a gallon	Operator discovered spilled motor oil on ground outside the north warehouse entry door (where shuttle truck is parked during the day).	Defective equipment	The oil was in 3 spots in the vicinity of Dock Door #15. The operator reported the spill to the supervisor and applied oil-dry. The cleanedup materials were placed in a container and transferred to the facility's 90-day waste storage area.
2/4/2010	7:00 AM	2	36461	Ethyl Glycol (Anti-freeze)	B4 airlock room and 1st Floor	5 gallons	The pipeline from the NE chiller system developed a leak at D-7 and T-3 smalls-blower HX pipe. The chiller was locked out and maintenance was notified.	Defective equipment	The defective chiller line was drained into drums prior to being repaired. No product left the building. The spilled material was washed into B4 drains and sent to the facility's WWTP.
2/13/2010	Unknown	Unknown	36462	Ethyl Glycol (Anti-freeze)	Bldg 4 - D7	10 gallons	The valve on the glycol line to D-7 was found leaking.	Defective equipment	The operator immediately placed a bucket under the leaking valve and put in a work-order to get it fixed.
3/13/2010	3:49 AM	1	37106	Trigonox 131	Bldg 4 - 6th Floor	16 fl.oz.	Building 4 operator noticed a jug of Trigonox 131 that was leaking.	The leaking jug had a loose lid on it.	The operator tightened the lid and cleaned up the spilled material.
3/23/2010	14:15	40 sec	37482	Styrene Monomer	Tank Farm	~20 gallons	Maintenance technicians were changing the secondary inlet valve for M-1 tank # 3, the bolts had been loosened and some had been removed to enable the drianing of the residual styrene left in the line. 2 1/2 drums of styrene had been drained out of the line. When the maintenance technicians loosened the bolts to drain more out of the line the gasket between the flanges fell out allowing approximately 20 gallons of styrene to spill onto the tank farm concrete floor before the technicians could get the gasket reinstalled to stop the leak.	Human Performance	The gasket and all bolts were reinstalled, and draining of the line was halted. The spilled material was cleaned up using corn-cob and placed in 55-gal drums for disposal.
3/25/2010	1:05 PM	1	37516	EPS Beads (Type 746)	North side of Building 4	20 pounds	The driver from Luckey was picking up a load of 746 EPS beads from Silo 17 at the facility. He misjudged the amount and spilled ~20 pounds on to the ground.	Human Performance	No beads left the site and Operations cleaned it up ASAP (15-min cleanup time).
4/3/2010	Unknown	Unknown	37875	Glycol-Water Mix (50-50)	Behind D7 Drier	~55 gallons	At around 1:15 p.m., whne the Shift Supervisor went down to the 1st floor of B4, he observed that glycol was on the floor. Upon investigation, it was found that the leak was coming from the failed union on the glycol line from the NE Chiller Unit.	Equipment Failure	The supervisor immediately had the board-operators shut down all the driers. The chiller pumps were also shutdown and the valves were closed. Called maintenance to have it repaired.

ATTACHMENT 4
Flint Hills Resources, LP - Peru, Illinois
Summary of Releases
January 1, 2010 to April 30, 2010

Date	Time of Spill	Duration (minutes)	Incident #	Material(s)	Area	Total Quantity	Media	Cause	Notes
1/30/2010	Unknown	Unknown	36019	Motor Oil	North side of Shipping	~1/16 of a gallon	Operator discovered spilled motor oil on ground outside the north warehouse entry door (where shuttle truck is parked during the day).	Defective equipment	The oil was in 3 spots in the vicinity of Dock Door #15. The operator reported the spill to the supervisor and applied oil-dry. The cleanedup materials were placed in a container and transferred to the facility's 90-day waste storage area.
4/21/2010	8:35 AM	1	38438	Styrene Monomer	B4 (5th Floor)	1.5 gallons	Earlier in the day Hayes Mechanical was issued a permit to replace flanges on misc. feed lines to RX's. It was discussed with the Supervisor to contact Supervision before draining the M-1 line from R16. Work progressed to that point. The Project Lead Engineer & a different Supervisor from Hayes started his crew on the R16 M-1 line drain out. The shift supervisor (SS) was in the Control room getting ECPs ready & calling Pack out Ops to bring over some drums for proper M1 disposal. When the SS came out of the 5th floor control room, he found the Supervisor from Hayes dumping something down the floor drain next to R16.	Human Error	The SS stopped him and asked what was in the bucket, he said "water & Monomer". SS told him we cant dispose of Monomer that way. We had contractors replacing the end of the drain line & hot work in the building. SS went downstairs to the end of the drain to see where the monomer was going. Ops had noticed the Monomer from the pipe so the Fire Watch Ops sprayed water on the Monomer going to the Bldg 4 pit area to wash it away from the hot work areas. SS had Ops. stop all hot work and called dept. Supervisor & EHS. When SS came back up the Project Lead was trying to spray water in the drain, SS told him to stop and asked Hayes Supervisor who gave him permission to dump the product in the drain? He said that the Project Lead Engineer said it was O.K. to dump it in the drain.
4/26/2010	4:00 PM	Unknown	38447	Used Oil - P30 Comp Oil	Packout (South wall next to flammable storage cabinet)	¼ gallon	During the process of transferring the used-oil drum on to the pallet, a leak was discovered.	Age of drum	The transfer operation was stopped immediately and oil-dri was applied to contain the spill. The contents were transferred to a new drum for disposal.